

NGV Technical Conference

Presented by:

Barrie McKay
Questar Gas
General Manager Regulatory Affairs

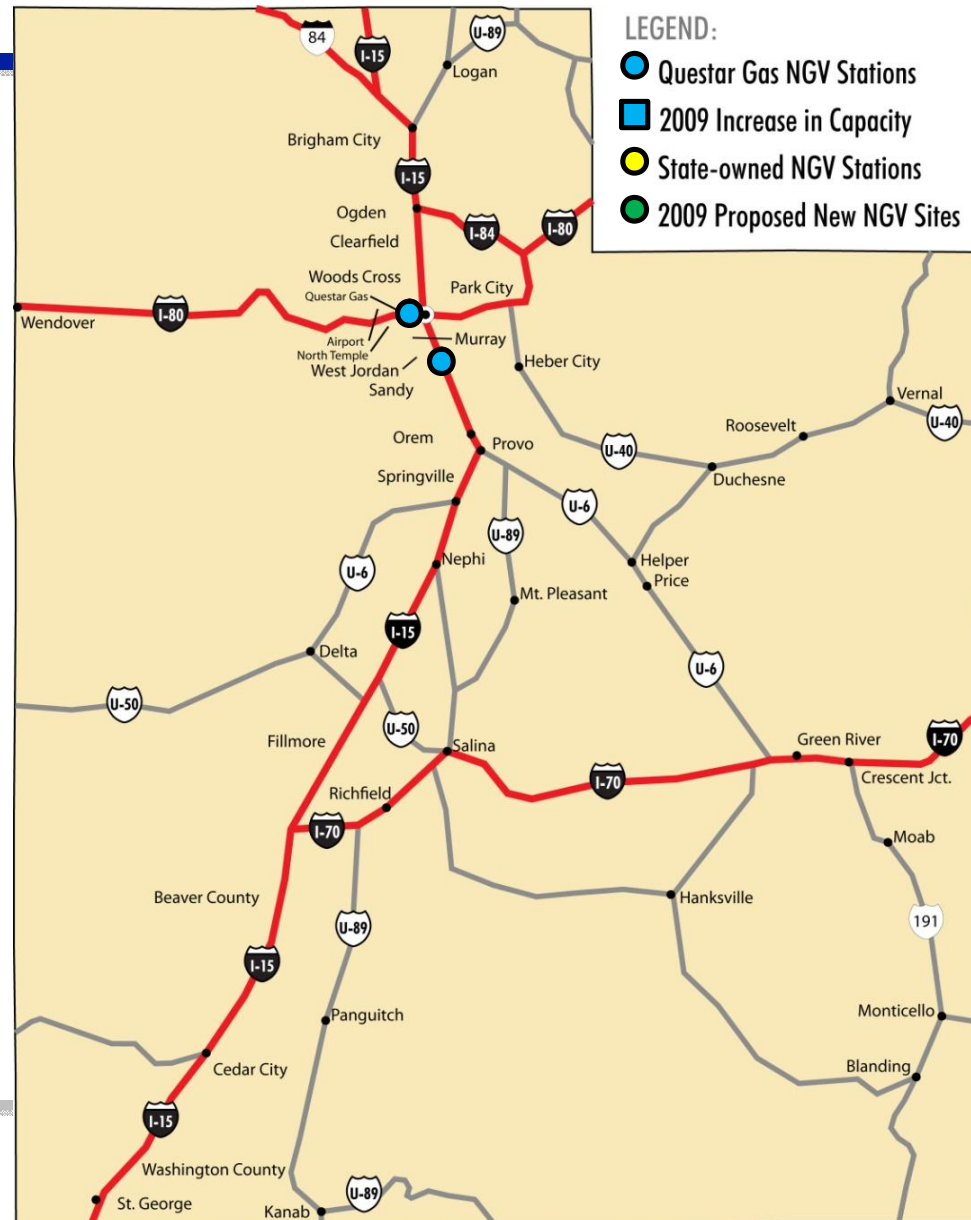
Judd Cook
Questar Gas
Regulatory Affairs Specialist

Craig Wagstaff
Questar Gas
General Manager Customer Relations



Public CNG Stations in Utah

1989 – Sandy
Salt Lake City (DNR)



**Utah's
I-15
Corridor**

Environmental Advantages

“The Company is encouraging the use of natural gas as a vehicle fuel because of its environmental advantages.”

Jim Balthaser testimony in Docket 89-057-15

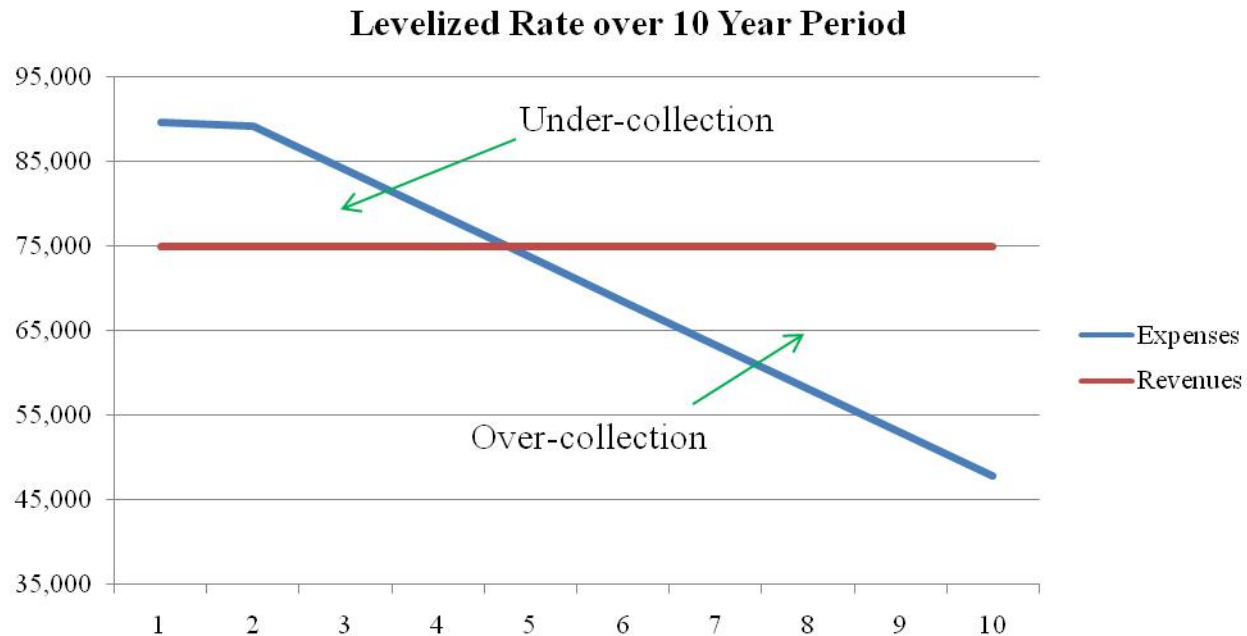
Reduced Emissions

- Over 90% reduction in carbon monoxide emissions
- 25% reduction in carbon dioxide emissions
- No evaporative emissions (results in longer engine life)

“Cleanest internal combustion vehicle on Earth.”

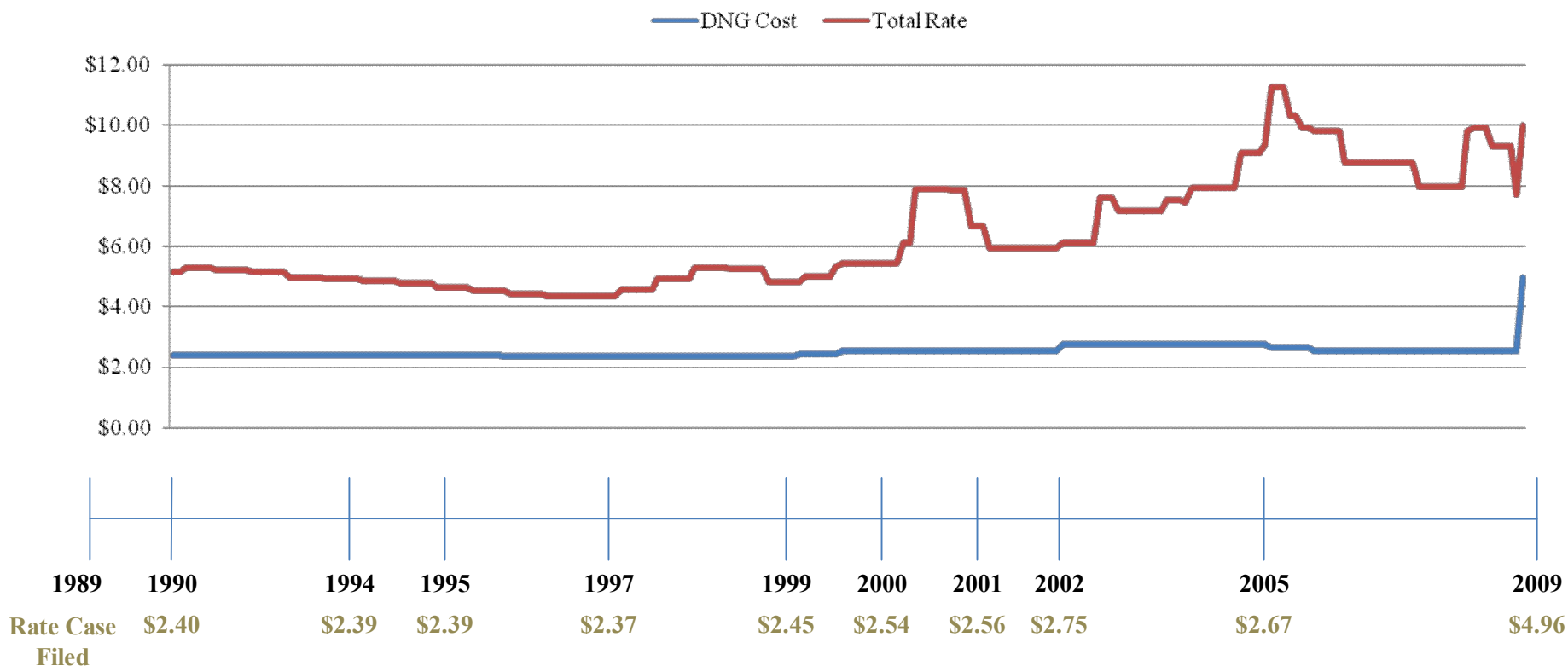
E.P.A. in reference to Honda Civic GX

Levelized Rates



At the end of the 10 year period the proper amount of revenues are collected.

History of NGV Rate



Original Rate was a levelized rate and then percentage changed in each subsequent rate case. The DNG Rate changed 12 times in the last 19 years, while the commodity portion of the rate changed with every pass-through filing. Rate has increased 6.6% between 1989 and 2005.

Public CNG Stations in Utah

1989 – Sandy
Salt Lake City (DNR)

1990 – Orem

1991 – Murray
Ogden Station
Salt Lake City Tesoro

1992 – Cedar City
Fillmore
St. George

1993 – Logan

1994 – Clearfield
Richfield

1995 – Park City
Price Station
Springville

2000 – Salt Lake Airport

2001 – West Jordan

2007 – Bountiful/Woods Cross
Brigham City

QUESTAR®

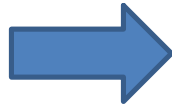


**Utah's
I-15
Corridor**

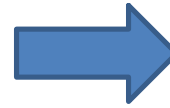
NGV Rate Breakdown per Dth



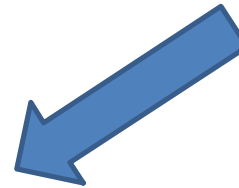
Natural Gas
\$4.19



Interstate-transportation
83¢



Distribution-system
59¢



Compression, parts, labor & fees:
\$4.38

Questar Gas price
\$9.99

Current NGV Tariff



QUESTAR GAS COMPANY
UTAH NATURAL GAS TARIFF
PSCU 400

Page 2-5

2.05 NATURAL GAS VEHICLE RATE (NGV)

NGV VOLUMETRIC RATE

	Rate Per Dth Used Dth = decatherm = 10 therms = 1,000,000 Btu
Distribution Non-Gas Rate	\$4.96031
Base SNG	\$0.83468
SNG Amortization	<u>\$0.00000</u>
Supplier Non-Gas Rate	\$0.83468
Base Gas Cost	\$4.81081
Commodity Amortization	<u>(0.61811)</u>
Commodity Rate	\$4.19270
Total Rate	\$9.98769

NGV CLASSIFICATION PROVISIONS

- (1) Service is used for refueling natural gas-powered vehicles with compressed natural gas at Company-owned refueling stations.
- (2) All sales are subject to the applicable federal excise tax and the state sales tax described in § 8.02.

Issued by R. W. Jibson, President	Advice No.	Section Revision No.	Effective Date
			April 1, 2009



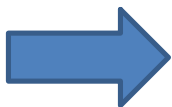
Gasoline Gallon Equivalent Calculation

- Meters are calibrated Yearly at a level that maintains a Btu value of approximately 120,000
- There are 8.334 GGE in a Dth of Natural Gas

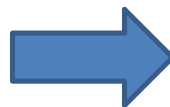
NGV Rate Breakdown per GGE



Natural Gas
50¢



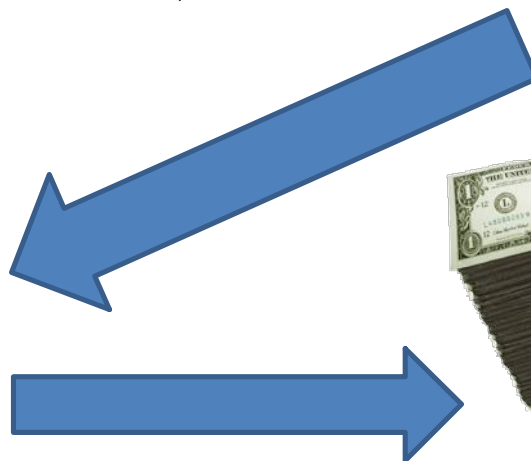
Interstate-transportation
10¢



Distribution-system
7¢



Compression, parts, labor & fees:
53¢



(Voluntary tax
credit: 24¢) *

* 50 ¢ Federal Tax Credit, less 18 ¢ Federal Tax
and 8 ¢ State Tax. Net 24 ¢.

Questar Gas price
96¢

U.S. Overview

- Number of vehicles: 120,000 (out of 220 million)
 - Total has grown slowly
 - Consumer interest increased greatly when gasoline was \$4.00 per gallon
- 2008 NGV consumption:
 - 300 million GGEs (37 BCF)
- 2020 Industry Target:
 - 10 billion GGEs (1.25 TCF)



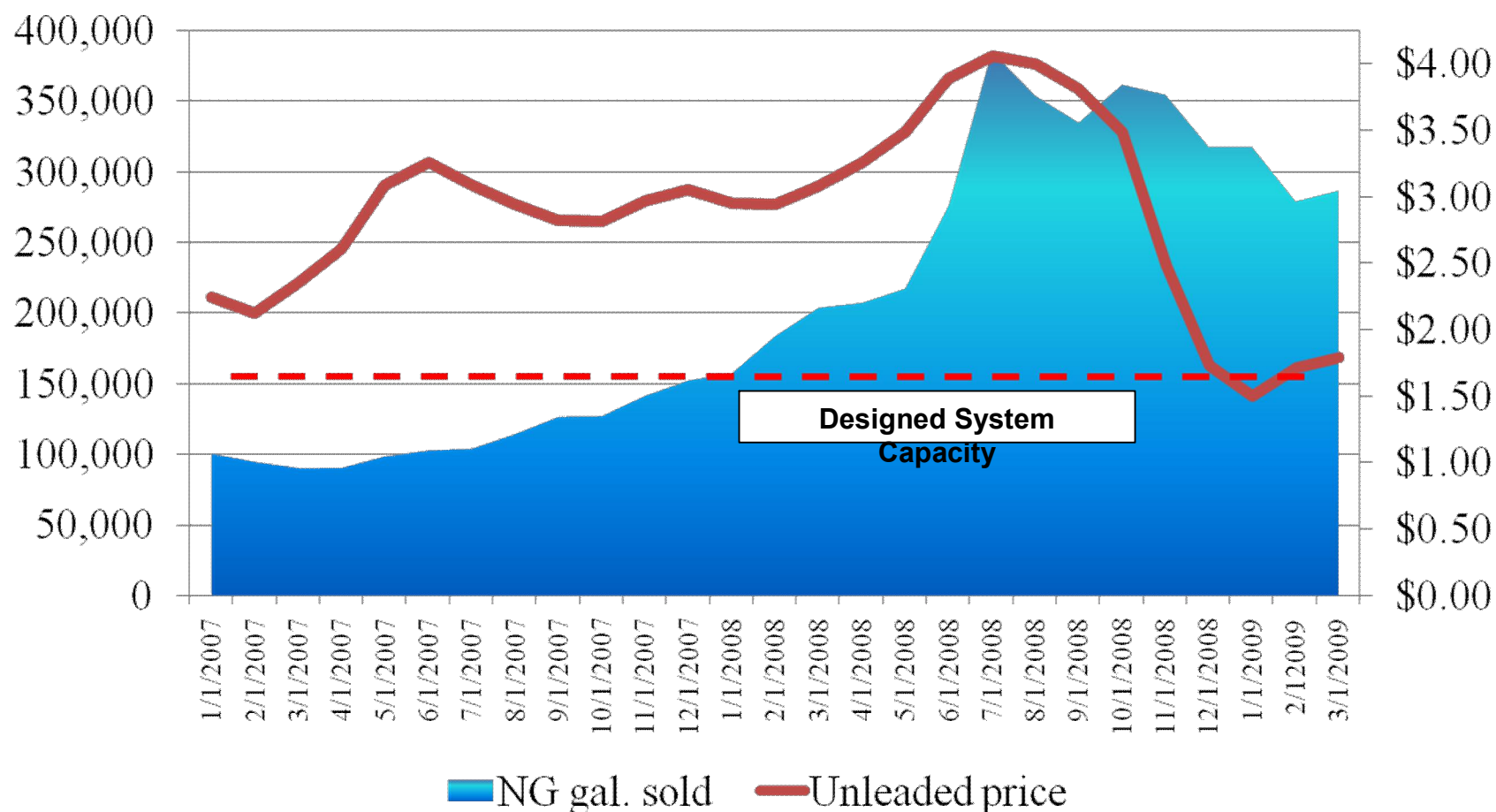
Source: NGVAmerica

NGV Growth

*NGVAmerica

Country	NGVs 2003	NGVs 2009	Stations '03	Stations '09
Pakistan	350,000	2,000,000	200	2,600
Argentina	1,000,000	1,599,940	1000	1,801
Brazil	550,000	1,590,000	535	1,688
Iran	*	1,215, 593	*	764
India	137,000	822,000	116	325
Italy	400,000	580,000	490	700
China	69,300	251,688	270	1,260
United States	*	120,000	*	1,100
Global Total	2,814,438	8,179,221	6,455	10,238

CNG Demand



Expansion in Utah

Two new Station proposed for 2009

- Beaver
- Washington

Increased capacity at four existing station planned for 2009

- Ogden
- Woods Cross
- Orem
- Sandy

The increased capacity and new stations will increase system wide capacity by 47%

State Owned Stations are also available for vehicle fueling

QUESTAR®



**Utah's
I-15
Corridor**

Types of Applications



- Taxi Cabs
- Delivery Trucks
- Passenger
- Transit Buses
- Refuse Haulers
- School Buses
- Airport Shuttles
- Forklifts



Light-Duty Original Equipment Manufacturer (OEM)

- American Honda Civic GX
“Cleanest production vehicle on earth”
- While manufacturing quantities are limited, production is being increased for MY2009
- Federal and state tax credit almost remove the premium cost of the vehicle



- *NGVAmerica http://www.ngvc.org/about_ngv/index.html

Examples of Passenger Vehicles

Small Volume Manufacturer (SVM)

Sedans

- Ford 4.6L Crown Victoria, Lincoln Town Car and Mercury Grand
- GM 3.5L Impala
- Ford 2.1L Focus



Pending

- Toyota Camry CNG Hybrid (OEM)



Refuse - SVM

- Ogden City
- Ace Disposal
- Robinson Waste



Shuttle Buses

- Salt Lake Airport Authority
- Utah State University
- Airport Shuttle Services
 - Cache Valley Limo
 - Diamond Parking
 - St. George Shuttle



School Buses (OEM)

- Jordan District – 44 in service
- Most recent Sevier District



Work Trucks (SVM)

Medium- and Heavy-duty work trucks

- Chevy W3500/W4500 and Isuzu NPR
- Chevy C6500/7500/8500 Topkick work
- International DT466/MaxxForceDT-equipped



*NGVAmerica http://www.ngvc.org/about_ngv/index.html